North Dakota

Science and Engineering Profile

	STATE	U.S.	Rank		STATE	U.S.	Rank
Doctoral scientists,1995	1,341	453,928	48	Total R&D performance, 1995 (millions)	$98	$177,210	49
Doctoral engineers,1995	156	86,738	47	Industry R&D, 1995 (millions)	$12	$130,332	51
S&E doctorates awarded, 1996	54	27,230	44	Academic R&D, 1996 (millions)	$72	$22,481	43
of which, in life sciences	41%	25%		of which, in life sciences	49%	56%	
in psychology	26%	13%		in engineering	36%	16%	
in physical sciences	20%	14%		in social sciences	5%	5%	
S&E postdoctorates, 1996	47	37,019	45	Higher education current-fund	$494	$182,602	47
in doctorate-granting institutions				expenditures, 1995 (millions)			
S&E graduate students, 1996	957	430,631	48	Number of SBIR awards, 1990-1997	27	31,155	47
in doctorate-granting institutions				Patents issued to state residents, 1997	42	61,699	51
Population, 1997 (000s)	641	271,464	48	Gross state product, 1996 (billions)	$15.7	$7,677.4	51
Civilian labor force, 1997 (000s)	348	137,564	48	of which, agriculture	11%	2%	
				manufacturing, mining, construction	15%	23%	
Personal income per capita, 1997	$20,271	$25,598	46	transportation, communication, utilities	11%	8%	
				wholesale and retail trade	18%	16%	
Federal spending				finance, insurance, real estate	13%	19%	
Total expenditures, 1997 (millions)	$4,331	$1,405,060	48	services	17%	20%	
R&D obligations,1996 (millions)	$45	$66,087	50	government	15%	12%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.
Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development by Agency and Performer: Fiscal Year 1996

[Thousands of Dollars]

	Total	Federal Intramural	All FFRDCs	Industrial firms	Universities & Colleges	Other nonprofits	State & local government	State rank
Total, all agencies	45,055	26,120	0	692	16,605	1,002	636	50
Department of Agriculture	24,627	19,904	0	0	4,723	0	0	18
Department of Commerce	0	0	0	0	0	0	0	52
Department of Defense	2,160	898	0	662	600	0	0	50
Department of Energy	4,393	0	0	0	4,393	0	0	39
Dept. of Health & Human Services	3,947	0	0	0	2,678	1,002	267	48
Department of Interior	5,464	5,318	0	30	78	0	38	23
Department of Transportation	354	0	0	0	23	0	331	49
Environmental Protection Agency	492	0	0	0	492	0	0	36
Nat'l Aeronautics & Space Admin.	387	0	0	0	387	0	0	51
National Science Foundation	3,231	0	0	0	3,231	0	0	49
State rank	50	42	na	50	49	46	44	

Federal R&D obligations are as reported by funding agencies.
FFRDC = federally funded research and development center
SBIR = small business innovation research
na = not applicable

Prepared by the National Science Foundation/ Division of Science Resources Studies. Data compiled from numerous sources.